Ogg Theora video, Firefox 3.1, Archive.org & Wikimedia support

Internet Archive Dec 2008

> tracey jaquith archive.org

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New <video> tag coming!

<video poster="http://www.archive.org/images/logo.jpg" controls="true" autoplay="true"

src="http://www.archive.org/download/to-SF/toSF.ogv"> for firefox betans </video>

Trivial video embedding - may revolutionize video!

*Firefox 3.1 beta released Oct1 Full release by ~EOY2008

Ogg Theora video

Thought to be most free, unencumbered video codec

Libraries/tools available from:
•xiph.org (libtheora)
•annodex.net/software/liboggz/
•ffmpeg
•flowplayer

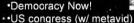
archive.org mission to allow free uploading, storage, and serving for all

- •1 million books
- •400K audio progams and concerts
- •100 billion web pages

The Internet Archive, a 501(c)(3) non-profit, is building a digital library of Internet sites and other cultural artifacts in digital form. Like a paper library, we provide free access to researchers, historians, scholars, and the general public.

archive org will rederive movies

We have news:



games, speed runs cartoons/animations feature films









how we make ogv fast/reliably

High Level:

-use ffmpeg to turn any video to "rawvideo" -pipe its output to "another" ffmpeg to turn the video to "yuv4mpegpipe" -pipe its output to the libthegra tool

 for videos with audio, ffmpeg create a vorbis audio .ogg file.
 add tasty metadata (with libongz utils).

combine the video and audio ogg files to an .ogv output!

tikirobot.net/wp/author/tracey-pooh (or just google "ogy tracey" 8-) * <code> (set to input)*

ffmned -an -deinterlace -s 40 x30 -r 20 00 -i CarteCortMarsh avi

-vende rawiideo -pix_fmt yuv420p -f rawfideo -| ffmpeg -an -f rawiideo -s 460x300 -r 20,00 -i - -f yuv4mpegripe -| libthorre-1,0ft-encoder_example -video-rate-target 512k/ - - o tmp.dov.

ffmpeg -i CapeCodMarsh avi -vn -acodec vorbis - ac 2 -ab 128k -ar 44100 audio ogg:

oggz-comment audic.ogg -c audic2.ogg TITLE="Care Cod Marsh" ARTIST="Tracey Jaquith"

LICENSE="http://creativecommons.crg/licenses/publicdomain/"
DATE="2004" ORGANIZATION="Dumb Bunny Productions"
LOCATION=http://www.archive.org/details/CapeCodMarsh;

opazmeras Impinov audiož pagijo CansCodMarsh or

archive.org is....

jumping into streams – oggzchop (and mod h264 streaming with lighttpd)

timecodes, standards for accessing:

*annodex.nct/Tit/draft-ploiffer-temporal-fragments-03.html

*archive.org/dcwnload/to-SF/toSF 512kb.mp4?t=74.5

serving search results in JSON, CSV, XML

serving item metadata in JSON

h.264 mp4 creation

ffmpeg -i-CapeCodMarsh.avi -1:512k -s 320x240 -vccdcc h264 -r 20.00 -tif 0 -level 13 -gmax 35 -maxrate 765k -title "Cape Cod Marsh -http://www.rchive.org/details/CapeCodMarsh" -year "2004" -comment.

-comment
"license:http://creativecommons.org/licenses/publicdomain/"
-author "Tracey Jaquith" -pass 1 -an cape.mp4;

[samc args above...] -pass 2 -acodec aac -ab 64k -ac 2 cape.mp4;

mpacreator - optimize cape mp4 pluses: - plays on iphone - plays in flash plugin - works with lightted

mod h264 streamina

minuses:

*longer to make
*possible licensing / IP
issues

metavid / wiki

metavid has a *great* web player that:

will use flowplayer if flash/h.264

can play MPEG

will use chooping/seeking for snippets

can jump from clip format A to clip format B

is now being incorporated into wikimedia

goals

make CC licensed (and otherwise) videos available

enable online transclusion and editing/mashups with wikimedia and metavid

rederive nearly 200,000 movies!









